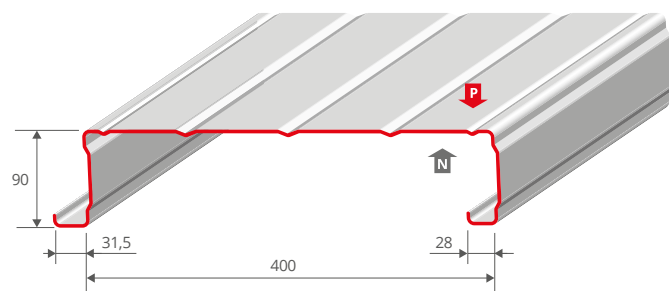


ALTEMPO 400



↓ Pre-painted Surface

THICKNESS mm	WEIGHT kg/m ²
0.75	9.57
1.00	12.76

STANDARD COATINGS >

Steel S 320 GD	Thickness mm	Standards
Galva	0.75/1.00	NF EN 10346 / NF P 34-310
Polyester 15μ	0.75/1.00	NF EN 10169 / NF P 34-301
Other coatings	on request	NF EN 10169 / NF P 34-301

**BUREAU
VERITAS**

TEST REPORT > NO. 2301560/1B

Deflection tests according to NF P 34-503 of November 1995. DTU 40-35 (NF P 34-205-1 May 1997)

CALCULATION VALUES > nominal thicknesses in mm

	symbol	units	0.75	1.00
Surface weight	m	kg/m ²	9.57	12.76
Load due to profile weight	g	daN/m ²	9.38	12.50

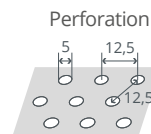
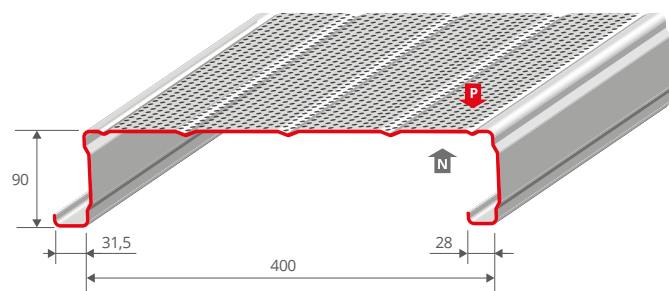
DOWNWARD LOAD ACTION		symbol	units	0.75	1.00
Moment of inertia single span		I_2	cm ⁴ /m	113.7	151.6
two equal spans		I_3	cm ⁴ /m	104.7	139.5
multiple spans		I_m	cm ⁴ /m	109.2	145.6
Bending moments at mid-span	<i>elastic syst.</i>	M_{d2T}	m.daN/m	376.9	502.6
	<i>elasto-plastic syst.</i>	M_{d3T}	m.daN/m	527.7	703.6
	on supports	M_{d3A}	m.daN/m	458.5	611.4
	under point load	M_c	m.daN/m	271.3	361.8
Reaction on supports		R_d	daN/m	817	1089

UPLIFT LOAD ACTION				3 FIXINGS PER DECK	
		symbol	units	0.75	1.00
Bending moments	at mid-span <i>elastic syst.</i>	M_{a2T}	m.daN/m	439.1	585.5
	at mid-span <i>elasto-plastic system</i>	M_{a3T}	m.daN/m	555.5	740.7
	on supports	M_{a3A}	m.daN/m	506.1	674.8
Breakout force at support		S_a	daN/m	868	1157
Under uplift load action, the useful spans are valid if the calculated characteristic strength (Pk/m) is more than or equal to the values given in daN:				171	229

MAX SPAN TABLE IN METRES ACCORDING TO NOMINAL LOADS > fy: 320MPa - nominal thicknesses in mm

DOWNWARD LOADS						UNWEIGHTED LIVE LOADS daN/m²	UPLIFT LOADS					
SINGLE SPAN		2 EQUAL SPANS		MULTIPLE SPANS			SINGLE SPAN		2 EQUAL SPANS		MULTIPLE SPANS	
									3 attachments per deck		3 attachments per deck	
0.75	1.00	0.75	1.00	0.75	1.00		0.75	1.00	0.75	1.00	0.75	1.00
4.90	5.55	5.70	6.50	5.70	6.50	50	4.90	5.55	5.70	6.50	5.70	6.50
4.90	5.40	5.70	6.50	5.70	6.50	75	4.90	5.55	5.70	6.50	5.70	6.50
4.30	4.90	5.00	5.80	5.10	5.80	100	4.90	5.55	5.60	6.50	5.60	6.50
3.90	4.45	4.05	5.25	4.45	5.25	125	4.45	5.15	4.90	5.80	4.90	5.80
3.45	4.10	3.40	4.45	3.75	4.80	150	4.00	4.70	4.05	5.30	4.05	5.30
2.95	3.80	2.95	3.85	3.25	4.25	175	3.45	4.35	3.45	4.65	3.45	4.65
2.60	3.45	2.60	3.40	2.85	3.75	200	3.00	4.00	3.00	4.05	3.00	4.05
2.35	3.05	2.30	3.05	2.55	3.35	225						
2.10	2.80	2.10	2.75	2.30	3.00	250						

ALTEMPO 400 P



Pre-painted Surface

THICKNESS mm	WEIGHT kg/m ²
0.75	8.73
1.00	11.64

STANDARD COATINGS >

Steel S 320 GD	Thickness mm	Standards
Galva	0.75/1.00	NF EN 10346 / NF P 34-310
Polyester 15μ	0.75/1.00	NF EN 10169 / NF P 34-301
Other coatings	on request	NF EN 10169 / NF P 34-301

**BUREAU
VERITAS**

TEST REPORT > NO. 2450880/1D

Deflection tests according to NF P 34-503 of November 1995. DTU 40-35 (NF P 34-205-1 May 1997)

CALCULATION VALUES > nominal thicknesses in mm

	symbol	units	0.75	1.00
Surface weight	m	kg/m ²	8.73	11.64
Load due to profile weight	g	daN/m ²	8.55	11.40

DOWNWARD LOAD ACTION		symbol	units	0.75	1.00
Moment of inertia single span		I_2	cm ⁴ /m	103.9	138.5
two equal spans		I_3	cm ⁴ /m	81.8	109.0
multiple spans		I_m	cm ⁴ /m	92.8	123.8
Bending moments at mid-span	<i>elastic syst.</i>	M_{g2T}	m.daN/m	338.0	450.7
	<i>at mid-span elasto-plastic syst.</i>	M_{g3T}	m.daN/m	443.7	591.6
	on supports	M_{g3A}	m.daN/m	422.7	563.6
	under point load	M_c	m.daN/m	163.4	217.9
Reaction on supports		R_d	daN/m	698	931

UPLIFT LOAD ACTION				3 FIXINGS PER DECK	
		symbol	units	0.75	1.00
Bending moments	at mid-span <i>elastic syst.</i>	M_{g2T}	m.daN/m	365.3	487.0
	at mid-span <i>elasto-plastic system</i>	M_{g3T}	m.daN/m	493.0	657.3
	on supports	M_{g3A}	m.daN/m	462.4	616.5
Breakout force at support		S_a	daN/m	838	1117
Under uplift load action, the useful spans are valid if the calculated characteristic strength (Pk/m) is more than or equal to the values given in daN:				165	220

MAX SPAN TABLE IN METRES ACCORDING TO NOMINAL LOADS > fy: 320MPa - nominal thicknesses in mm

DOWNWARD LOADS						UNWEIGHTED OPERATING LOADS daN/m²	UPLIFT LOADS					
SINGLE SPAN		2 EQUAL SPANS		MULTIPLE SPANS			SINGLE SPAN	2 EQUAL SPANS		MULTIPLE SPANS		
								3 attachments per deck		3 attachments per deck		
0.75	1.00	0.75	1.00	0.75	1.00		0.75	1.00	0.75	1.00	0.75	1.00
4.10	5.30	4.10	5.45	4.10	5.45	50	4.10	5.30	4.10	5.45	4.10	5.45
4.10	5.25	4.10	5.45	4.10	5.45	75	4.10	5.30	4.10	5.45	4.10	5.45
4.10	4.70	4.10	5.35	4.10	5.35	100	4.10	5.30	4.10	5.45	4.10	5.45
3.50	4.20	3.50	4.55	3.80	4.85	125	4.05	4.70	4.10	5.45	4.10	5.45
2.95	3.90	2.95	3.85	3.20	4.20	150	3.65	4.25	3.90	4.95	3.90	4.95
2.55	3.35	2.55	3.35	2.80	3.65	175	3.30	3.95	3.30	4.50	3.30	4.50
2.25	2.95	2.25	2.95	2.45	3.20	200	2.85	3.65	2.90	3.90	2.90	3.90
2.00	2.65	2.00	2.65	2.20	2.85	225						
1.80	2.40	1.80	2.40	1.95	2.60	250						